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_	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/055,481 01/23/2002		01/23/2002 Carl Tung		VREX-0010USAAON00	7475	
	26665	7590 08/20/2004		EXAMINER		
	REVEO, INC			CHUNG, DAVID Y		
		85 EXECUTIVE BOULEVARD ELMSFORD, NY 10523		ART UNIT	PAPER NUMBER	
	,			2871		
				DATE MAILED: 08/20/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

			<b>:X</b>						
		Application	No.	Applicant(s)	<del></del>				
Office Action Summary		10/055,481		TUNG, CARL					
		Examiner		Art Unit					
		David Y. Chu		2871					
<i>Tf</i> Period for Re	ne MAILING DATE of this communication app eply	pears on the c	over sheet with the co	rrespondence ad	ldress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1)⊠ Res	sponsive to communication(s) filed on <u>14 Ju</u>	uly 2004.							
2a)⊠ Thi	s action is <b>FINAL</b> . 2b) This	action is non	-final.						
3) <u></u> Sin	ce this application is in condition for allowar	nce except fo	r formal matters, pro:	secution as to the	e merits is				
clos	sed in accordance with the practice under E	Ex parte Quay	de, 1935 C.D. 11, 45	3 O.G. 213.					
Disposition (	of Claims								
4)⊠ Cla	im(s) 1-13 is/are pending in the application.	•							
4a)	Of the above claim(s) is/are withdraw	wn from cons	ideration.						
5) <u></u> Cla	im(s) is/are allowed.								
6)⊠ Cla	im(s) <u>1-13</u> is/are rejected.								
7) <u></u> Cla	im(s) is/are objected to.				<i></i>				
8)∏ Cla	im(s) are subject to restriction and/or	r election req	uirement.						
Application	Papers								
9) <u></u> The	specification is objected to by the Examine	er.							
10) <u></u> .The	drawing(s) filed on is/are: a) acce	epted or b)□	objected to by the E	xaminer.					
Арр	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Rep	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)[ The	oath or declaration is objected to by the Ex	kaminer. Note	the attached Office	Action or form P7	ГО-152.				
Priority unde	er 35 U.S.C. § 119								
<i>,</i> —	nowledgment is made of a claim for foreign    b) Some * c) None of:    Certified copies of the priority documents			-(d) or (f).					
2.	_			on No					
3.[	<u> </u>		• •		Stage				
	application from the International Bureau	-							
* See the attached detailed Office action for a list of the certified copies not received.									
Attachment(s)			_						
	References Cited (PTO-892)	4)	) Interview Summary (						
	Draftsperson's Patent Drawing Review (PTO-948) on Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5)	Paper No(s)/Mail Da ) Notice of Informal Pa		O-152)				
	(s)/Mail Date		)						

#### **DETAILED ACTION**

# Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 5 and 10 rejected under 35 U.S.C. 102(b) as being anticipated by Lee (WO 0021305).

Lee discloses a stereoscopic display system as shown in figure 2. Note the liquid crystal shutter glasses 14 having two liquid crystal shutters 12, polarizing film 16 located nearer to the eye, display device 10, and polarizing film 18 situated in front of the display device. The liquid crystal shutters act as active rotators by rotating the polarization of incoming light. Lee teaches that the disclosed system prevents flickering by removing polarizing film 2 shown in figure 1 (conventional art), and replacing it with polarizing film 18 shown in figure 2. See invention summary, page 2, lines 12-22. The liquid crystal shutters would inherently be configured to block polarized light in a first state and pass polarized light in a second state.

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## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2-4, 6-9 and 11-13 rejected under 35 U.S.C. 103(a) as being unpatentable over Lee (WO 0021305).

As to claims 2 and 11, Lee does not disclose that polarizing films 16 and 18 have polarization angles orthogonal to each other. However, Lee does disclose that polarizing films 2 and 3 in the conventional system (figure 1) are orthogonal to each other. See discussion of related art, page 1, lines 14-21. Lee shows that it was conventional to arrange the polarizing films surrounding the liquid crystal shutters in a stereoscopic display system to be orthogonal. It would have been obvious to one of ordinary skill in the art at the time of invention to arrange polarizing films 16 and 18 to be orthogonal to each other because this was a proven design for a stereoscopic display system.

As to claims 3, 4 and 7-9, Lee discloses a polarizing film 18 mounted on the screen of display device 10. See figure 2. Lee does not disclose the specific type of display device used in the system. However, direct view displays (CRT's or LCD's),

front projection displays, and rear projection displays were all proven technologies and well known for being able to produce high quality images. It would have been obvious to one of ordinary skill in the art at the time of invention to use one of the three above mentioned display types, because they were proven technologies and were well known for being able to produce high quality images.

As to claim 6, Lee does not disclose that polarizing film 18 (figure 2) is substantially identical to polarizing film 2 (figure 1). However, the two polarizing films substantially provide the same function within the optical path. It would have been obvious to one of ordinary skill in the art at the time of invention to make polarizing film 18 substantially identical to the polarizing film 2 because the two polarizing films provide the same function within the optical path.

As to claim 12, Lee discloses a stereoscopic display system as shown in figure 2. Note the liquid crystal shutter glasses 14 having two liquid crystal shutters 12, polarizing film 16 located nearer to the eye, display device 10, and polarizing film 18 situated in front of the display device. The liquid crystal shutters act as active rotators by rotating the polarization of incoming light. Lee teaches that the disclosed system prevents flickering by removing polarizing film 2 shown in figure 1 (conventional art), and replacing it with polarizing film 18 shown in figure 2. See invention summary, page 2, lines 12-22.

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Lee does not disclose that polarizing films 16 and 18 have polarization angles orthogonal to each other. However, Lee does disclose that polarizing films 2 and 3 in the conventional system (figure 1) are orthogonal to each other. See discussion of related art, page 1, lines 14-21. Lee shows that it was conventional to arrange the polarizing films surrounding the liquid crystal shutters in a stereoscopic display system to be orthogonal. It would have been obvious to one of ordinary skill in the art at the time of invention to arrange polarizing films 16 and 18 to be orthogonal to each other because this was a proven design for a stereoscopic display system.

Lee discloses a polarizing film 18 mounted on the screen of display device 10.

See figure 2. Lee does not disclose the specific type of display device used in the system. However, direct view displays (CRT's or LCD's), front projection displays, and rear projection displays were all proven technologies and well known for being able to produce high quality images. It would have been obvious to one of ordinary skill in the art at the time of invention to use one of the three above mentioned display types, because they were proven technologies and were well known for being able to produce high quality images.

As to claim 13, Lee discloses a stereoscopic display system as shown in figure 2. Note the liquid crystal shutter glasses 14 having two liquid crystal shutters 12, polarizing film 16 located nearer to the eye, display device 10, and polarizing film 18 situated in front of the display device. The liquid crystal shutters act as active rotators by rotating the polarization of incoming light. Lee teaches that the disclosed system prevents

flickering by removing polarizing film 2 shown in figure 1 (conventional art), and replacing it with polarizing film 18 shown in figure 2. See invention summary, page 2, lines 12-22.

Lee does not disclose that polarizing film 18 (figure 2) is substantially identical to polarizing film 2 (figure 1). However, the two polarizing films substantially provide the same function within the optical path. It would have been obvious to one of ordinary skill in the art at the time of invention to make polarizing film 18 substantially identical to the polarizing film 2 because the two polarizing films provide the same function within the optical path.

Lee discloses a polarizing film 18 mounted on the screen of display device 10.

See figure 2. Lee does not disclose the specific type of display device used in the system. However, direct view displays (CRT's or LCD's), front projection displays, and rear projection displays were all proven technologies and well known for being able to produce high quality images. It would have been obvious to one of ordinary skill in the art at the time of invention to use one of the three above mentioned display types, because they were proven technologies and were well known for being able to produce high quality images.

### Response to Arguments

Applicant's arguments filed July 15, 2004 have been fully considered but they are not persuasive. A liquid crystal shutter is by nature configured to block polarized light in

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a first state and pass polarized light in a second state. Therefore, the liquid crystal

shutter of Lee would inherently contain this feature.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to David Chung whose telephone number is (571) 272-

2288. The examiner can normally be reached on Monday-Friday from 8:30 am to 5:00

pm.

PRIMARY EXAMINER

**David Chung GAU 2871** 

08/13/04